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OM nucleic - nucleic search, using sw model

Run on: February 16, 2003, 22:05:25 ; Search time 51.0802 Seconds
(without alignments)
13999.354 Million cell updates/sec

Title: US-09-497-967-3
Perfect score: 1404
Sequence: 1 atgaaaaataatttagt.....tgattttattattatta 1404

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 424239 seqs, 254661826 residues

Total number of hits satisfying chosen parameters: 848478

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- PublishedApplications_NA:*
- 1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
 - 2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
 - 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
 - 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
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 - 6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
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 - 9: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
 - 10: /cgn2_6/ptodata/1/pubpna/US09_PUBCOMB.seq:*
 - 11: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
 - 12: /cgn2_6/ptodata/1/pubpna/US10_PUBCOMB.seq:*
 - 13: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
 - 14: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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C 2	60	4.3	1973	10	US-09-864-761-3471
C 3	52.2	3.7	510	10	US-09-864-761-18737
	46.6	3.3	684973	10	US-09-263-959-1
5	45.8	3.3	1075	10	US-09-864-761-19241
6	45.8	3.3	1403	10	US-09-864-761-2513
7	43.4	3.1	2120	10	US-09-798-042-95
8	43.4	3.1	2129	10	US-09-159-469-39
9	43.4	3.1	2129	10	US-09-798-042-39
C 10	42.8	3.0	439	10	US-09-864-761-20174
C 11	42.6	3.0	1390	10	US-09-970-477-1
C 12	42.6	3.0	25002	9	US-10-024-623-31
C 13	42	3.0	574	10	US-09-864-761-228
C 14	41.4	2.9	1881	9	US-09-938-842A-3346
C 15	41	2.9	489	10	US-09-864-761-4976
C 16	40.4	2.9	1476	10	US-09-815-242-8766
17	40.4	2.9	4460	10	US-09-740-274-1
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C 20	40	2.8	430	10	US-09-815-242-2332
C 21	40	2.8	1455	10	US-09-815-242-4448
C 22	40	2.8	1476	10	US-09-815-242-8394
C 23	40	2.8	1908	9	US-09-286-488-50
24	40	2.8	1908	10	US-09-737-178-50
25	40	2.8	2001	10	US-09-737-178-84
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C 28	39.6	2.8	486	10	US-09-864-761-10113
29	39.6	2.8	996	10	US-09-815-242-4857
30	39.6	2.8	996	10	US-09-815-242-8774
31	39.6	2.8	996	10	US-09-815-242-9048
32	39.6	2.8	2606	9	US-10-153-273-7
33	39.6	2.8	5361	9	US-09-742-096-2
34	39.6	2.8	6152	9	US-09-742-096-1
35	39.6	2.8	640681	10	US-09-790-988-1
C 36	39.4	2.8	640681	10	US-09-790-988-1
37	39.2	2.8	2846	9	US-10-008-016-1
38	39.2	2.8	155074	9	US-10-026-188-6
39	39	2.8	4634	10	US-09-995-587A-10
C 40	38.8	2.8	1817	10	US-09-960-253-40
41	38.6	2.7	3666	10	US-09-137-531-13
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43	38.6	2.7	4197	10	US-09-137-531-7
44	38.6	2.7	4197	10	US-09-137-531-8
45	38.6	2.7	513509	9	US-09-754-853A-4

ALIGNMENTS

RESULT 1

US-09-864-761-20241/c
; Sequence 20241, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FO
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30

QY 640 TGTCCGGCAATAAACCTGTAATGTTGCTTAAGCTACTTTAGTAAATGATGCTACAATA 699
Db 13221 TCCCTACAAATACTGCTGATGCTAACACAGTAGTAATGCTTCTTAATACCACTATGCGCT 13280
QY 700 ACCGCATAATGATGCTGATGCGCCCTGATGGTACTAATAAGTCTGCTGGAGTAAATAAT 759
Db 13281 TCTCTACAAGTACTACTGCTGAGTACTATTGCTACCGCTTCCCATTTTCAGTGACTCCT 13340
QY 760 TGGGTAGCACAAAACACTGAATGTAATGTTGCTTCCCTAACCTTTTACAAATAATATGCT 819
Db 13341 TCTCTGACAGTACTGCTGATGCGCCACCAATAGTACTACTGCTATTATGCCACTACTTCT 13400
QY 820 CCTAATTTCAATCCAGTAATAGTACATGCTACTACCTTGCCCGACCAATAAAGATTATGCT 879
Db 13401 TCTCTAACAGTACTACTGATGTTAGCACAGTACTACTATTAAATAATAGTACTCCT 13460
QY 880 GCTCAAGCCACTGCGGTGCTGCTACTTTAGCCAAATAATGTAATTTGCATGCCCT 939
Db 13461 GTTCAACAATACTACTAATGCTAGCACTAGTACTAATGTTGCTAATAATACTGCTACC 13520
QY 940 GATGGTACTCCAATTTGCTAGTGAGCAACTAATATTGTAATATTATATAACACAATGCTA 999
Db 13521 TCTCATACAAGTACTGATGATGCTGTTCCCTAATACTACTGTTCCAGTTACAGCTATTCT 13580
QY 1000 AATTGCTGCTGCTA 1012
Db 13581 TCTCTTGCAATA 13593

RESULT 5

US-09-864-761-19241
; Sequence 19241, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aecomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; PRIOR FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
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; PRIOR APPLICATION NUMBER: PCT/US01/00665
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; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 19241
; LENGTH: 1075
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL078472.1
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 27
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 19
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 34
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 7.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 28
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 43
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 20
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 25
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 18
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 21
; OTHER INFORMATION: EST_HUMAN HIT: AV739739.1, EVALUE 1.00e+00
; OTHER INFORMATION: NT HIT: AL163201.2, EVALUE 2.00e-19
US-09-864-761-19241

Query Match 3.3%; Score 45.8; DB 10; Length 1075;
Best Local Similarity 41.7%; Pred. No. 0.098;
Matches 287; Conservative 0; Mismatches 402; Indels 0; Gaps 0;
QY 288 TGGTGTACCGCAATTGCGAGTGGAGCAACAGATTATGCAGCAATAATACAGAAATGCT 347
Db 216 TGTATGCTGATGTTGTTTATTAATGCAAAATGCTCCAAATTTTAAATGCAAGTGGTAGTAC 275
QY 348 TAATTCGTACAATAATTTTATTAATGCAAAATGCTCCAAATTTTAAATGCAAGTGGTAGTAC 407
Db 276 TGGTATGCTGATGATGGTGGTAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 335
QY 408 ATGCACAGCTTGTCCCGTAAACAGAGTTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 467
Db 336 TGG 395
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Db 396 TGG 455
QY 528 TACTGATTATGTTAGATCATTCACAGAAATGTTAAATGTAGACTTAACCTTTTACTATAA 587
Db 456 TGG 515
QY 588 TGGTAAATAGTAAATGCTTCTTCAATCCAGGTAAAAGTTAAATGCACACCTTTGTCGGCG 647
Db 516 TGG 575
QY 648 RAATTAACCTGCTAATGTTGCTTAAAGTACTTTAGGTAATGATGCTACAATAACCCGATA 707
Db 576 TAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 635
QY 708 ATGTAACGTTGCATGCCCTGATGCTACTATAAGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGG 767
Db 636 TGG 695
QY 768 ACAAAACACTGAATGTAATGTTGCTCCTTAACCTTTTACAATAAATGCTTCTTAATTT 827
Db 696 TGG 755
QY 828 CAATCCAGGTAATAGTACATGCCCTTCCCGACCAATAAAGATTTATGGTGGTGGTGGTGG 887
Db 756 TGG 815
QY 888 CACTGCAGGTGGTGGCGCTACTTTAGCCAAATAATGTAATATTGCAATGCGCTGATGGTAC 947

Db 1210 CAGCTACTACAGGTACTTGGCTAC 1234

RESULT 10

US-09-864-761-20174/c

; Sequence 20174, Application US/09864761

; Patent No. US20020048763A1

; GENERAL INFORMATION:

; APPLICANT: Penn, Sharron G.

; APPLICANT: Rank, David R.

; APPLICANT: Hanzel, David K.

; APPLICANT: Chen, Wensheng

; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY

; FILE REFERENCE: Acomica-X-1

; CURRENT APPLICATION NUMBER: US/09/864,761

; CURRENT FILING DATE: 2001-05-23

; PRIOR APPLICATION NUMBER: US 60/180,312

; PRIOR FILING DATE: 2000-02-04

; PRIOR APPLICATION NUMBER: US 60/207,456

; PRIOR FILING DATE: 2000-05-26

; PRIOR APPLICATION NUMBER: US 09/632,366

; PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: GB 24263.6

; PRIOR FILING DATE: 2000-10-04

; PRIOR APPLICATION NUMBER: US 60/236,359

; PRIOR FILING DATE: 2000-09-27

; PRIOR APPLICATION NUMBER: PCT/US01/00666

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00667

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00664

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00669

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00665

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00668

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00663

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00662

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00661

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: PCT/US01/00670

; PRIOR FILING DATE: 2001-01-30

; PRIOR APPLICATION NUMBER: US 60/234,687

; PRIOR FILING DATE: 2000-09-21

; PRIOR APPLICATION NUMBER: US 09/608,408

; PRIOR FILING DATE: 2000-06-30

; PRIOR APPLICATION NUMBER: US 09/774,203

; PRIOR FILING DATE: 2001-01-29

; NUMBER OF SEQ ID NOS: 49117

; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1

; SEQ ID NO 20174

; LENGTH: 439

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; OTHER INFORMATION: MAP TO AL035419.9

; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 1.3

; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.2

; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1

; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.4

; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 1.1

; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.5

; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.6

; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.5

; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 1.5

; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.2

US-09-864-761-20174

QY 884 AAGCCACTGCAGGTGGTCCCGCTAC 908

Db 1210 CAGCTACTACAGGTACTTGGCGCTAC 1234

RESULT 9

US-09-798-042-39

; Sequence 39, Application US/09798042

; Patent No. US20020068343A1

; GENERAL INFORMATION:

; APPLICANT: Reed, Steven G.

; APPLICANT: Lodes, Michael J.

; APPLICANT: Houghton, Raymond L.

; APPLICANT: McNeill, Patricia D.

; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THE DIAGNOSIS

; TITLE OF INVENTION: AND TREATMENT OF EHRlichia INFECTION

; FILE REFERENCE: 210121.439C7

; CURRENT APPLICATION NUMBER: US/09/798,042

; CURRENT FILING DATE: 2001-03-02

; NUMBER OF SEQ ID NOS: 108

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 39

; LENGTH: 2129

; TYPE: DNA

; ORGANISM: Ehrlichia sp.

US-09-798-042-39

Query Match 3.1%; Score 43.4; DB 10; Length 2129;

Best Local Similarity 44.3%; Pred. No. 0.5;

Matches 277; Conservative 0; Mismatches 336; Indels 12; Gaps 2;

QY 287 CTGCTGTACCGCAATGTCAGGTGGAGCAGATATATGACAGCAATACACAGAAATGTG 346

Db 619 CTTCTTCTGCATACCCAGCATCAGCTTCTACAGATACTTCAGACTTCAGATCACCCTTCAG 678

QY 347 TTAATTGTAGAAATTAATTTTATATGAAATGCTCCCAATTTTAAATCCAGGTGCTAGTA 406

Db 679 TAAACACAGAACTGTAGACTCAGGTGGTGGTGGTGAGAACTTCAGGAGCTGATTTCTA 738

QY 407 CATGCACAGCTTGTCCGGTAAACAGAGTTGGTGGTGCATTCGACTGCTGGTAATCCGCCTA 466

Db 739 GTTGTGGCGCTTCGAGCAACTACCACTTCCTGTGAAGCTTAATTTCTCTAGTAGTGGTA 798

QY 467 CCATAGTCGCATAATGTAAAGTCGCCTACTGCTACTGCTAGTGCATCTGATGATGGAGTAA 526

Db 799 CAATCGCTTCGAGCTTCAACACAGGTAATTCCTGCTCAGCTACTACAGGTACTTGTG 858

QY 527 CTACTGATATGTTAGATCAATTCACAGATGT---GTTAAATGTAGACTTAACCTTTTACT 583

Db 859 CTACAGGTTGCTCAAGATCTATCAAAAGTATCTTCCTTTAGAGAAGACTTCTGTTCTTCTT 918

QY 584 ATAATGGTAAATAGTAAATCTCTTTCAATCCAGGTAAGATTAATGCACACCTGTGCT 643

Db 919 TTACTTCTACAGGAGCTTCAGTCCCTCTAGTGCCTTCGCAATTTCTTGGCTCTGTTGAC 978

QY 644 CGGCAATTAACCTGCTAATGTGCTTAAGCTACTTTAGTGAATGATGCTACAATAACCG 703

Db 979 CAGAGATTACTTCTTTTGGCGCTACATCAGCAATAGCTTCTACAGATACTTCAGACTTTA 1038

QY 704 CATAATGTAAGTTGCATGCCCTCTAGTGTACTTAAGTGTGCTGGAGTAATAATTTGGG 763

Db 1039 GATCAGCTTCAGCAACACCAAGAACTGTAGACTCAGTTGTGCTGGCGAGAACTTCAG 1098

QY 764 TAGCACAACAACTGAATGTACTAATGTGCTCCTACTTTTACAATAATAATGCTCTCA 823

Db 1099 GAG-----CTGATTTCTAGTTGTTGGCGCTTCTGGAGCAACTACCACTTCTTGAAGCT 1149

QY 824 ATTTCATCCAGGTAATAGTACATGCCTACTCTGCCAGCAAAATAAGATTTATGCTGCTG 883

Db 1150 TATTTTCTTCTAGTGTGATGATGATCGCTTCTGCAGCTTCAACACAGGTAATCTGCTT 1209

Query Match	3.0%	Score 42.8	DB 10	Length 439
Best Local Similarity	45.0%	Pred. No. 0.35		
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Qy	726	TGATGGTACTATAAGTCTCTCGAGTAAATAATTGGGTAGCACAAACACATGAATGAC	785	
Db	382	TGGTGGTGATGGTATGCTCTCTCATGATGGTGGGATAATGATGGTATGATGCTGTC	323	
Qy	786	TAATTGTGCTCTAACTTTTACAAATAATAATGCTCTCTAATTTTCAATCCAGGTAAATAGTAC	845	
Db	322	CGATGGTGATGGTGGTGATGATGGTGATGCTGCTGATGGTGTGTGATGGCGATGCTGC	263	
Qy	846	ATGCCACCTTGGCCAGCAAAATAAGATTATGGTGTGAAGCCATGCAGGTGGTGGCGC	905	
Db	262	TGATGGTGATGATGGTGGTGATTACGATGGTGATGCTGCTGCTGCTGCTGGTGGTGATCC	203	
Qy	906	TACTTTAGCCAAAATAATGTAATTTGCATGCCCTCATGGTACTGCAATTCGTAGTGAGC	965	
Db	202	TGCTGATGGTTTTGATGGTTATCATGATGGTGATGCTGCTGACGGTGATGATGGTGATGA	143	
Qy	966	AACATAATTATGTAATAATTAACAAGATGCTAAATTTCTGTCTAACTTTTATTTTGA	1025	
Db	142	TCATGATGGTAAATGATGATGGTGAGGGTAATAATGGTAATGATGGTATGCGCATGA	83	
Qy	1026	TGCTAATAATTTCTAGCGAGGAAGTAGTAGATGCAAAACATGTCACGAAATAAAGTT	1083	
Db	82	TGCTGATATAACGATGATGCTGATGGTGATGATGAATGATGGTGATGCTACTGCTGT	25	

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RESULT 11
US-09-970-477-1
; Sequence 1, Application US/09970477
; Patent No. US20020127545A1
; GENERAL INFORMATION:
; APPLICANT: Lorincz, Attila T.
; TITLE OF INVENTION: ASSESSMENTS OF HUMAN PAPILLOMA VIRUS-RELATED DISEASE
; FILE REFERENCE: 2629-4005US4
; CURRENT APPLICATION NUMBER: US/09/970.477
; CURRENT FILING DATE: 2001-10-04
; PRIOR APPLICATION NUMBER: U.S. 09/210,168
; PRIOR FILING DATE: 1998-12-11
; PRIOR APPLICATION NUMBER: U.S. 60/082,167
; PRIOR FILING DATE: 1998-04-17
; PRIOR APPLICATION NUMBER: U.S. 60/070,486
; PRIOR FILING DATE: 1998-01-05
; PRIOR APPLICATION NUMBER: U.S. 60/069,426
; PRIOR FILING DATE: 1997-12-12
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1390
; TYPE: DNA
; ORGANISM: Human papillomavirus
; FEATURE:
; OTHER INFORMATION: L2-HPV16
US-09-970-477-1

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Query Match	3.0%	Score 42.6	DB 10	Length 1390
Best Local Similarity	44.1%	Pred. No. 0.65		
Matches 226	Conservative	0	Mismatches 284	Indels 3
			Gaps	
633 QY	CACACCTTGTCGGCAATTAACGCTGCTAATGTTGCTTAAGCTACTTTAGGTAAATGATCC	692		
834 Db	CAC2CCCACTAAACCTTATTACATATGATATATCTGCATATGAAGGTATAGATGTGGATAA	893		
693 QY	TACAA2AACCCGCAATGTAACGCTTGCACTGCCCTGATGCTACTATAAGTGCCTGCTGGACT	752		
894 Db	TACATTATATTTTCTAGTAA2TATGATATAGTATTAATATAGCTCCAGATCCCTGACTTTT	953		
753 QY	AAATAATGGGTAGCACA2AACCACTGAATGCTACTAATTTGCTCTCTAACTTT---TACAA	809		
954 Db	GGATATAGTTGCTTTACATAGAGCCACG2ATTACCTCTAGGCTACTGGCATTAGGTACAG	1013		

Qy	810	TAATAATGCTCCTAAATTTCAATCCAGGTAATAGTATACATGCCTACCTTCCCGCAGCAATAA	869
Db	1014	TAGAAATTTGGTAATAACAACAACACATAGCTCTGCTATGGAAATCTATATAGGTGCTAAAGT	1073
Qy	870	AGATATATGGTGCTGAAGCCACTGCAGGTGGTGCCGCTACTTTAGCCAAATAATCTGAATAT	929
Db	1074	ACATTATTATTATGATTTAAGTACTATTGATCCTGCAGAGNAATAGAATTTACAACCTAT	1133
Qy	930	TGCATGCCCTTGATGGTATGTCGAATTCCTAGTGGAGCAACTAATTATGTATATTTATAAAC	989
Db	1134	AACACCTTCATCATATATCTACCACTTCACATGCAGCCCTCACCTACTTCTATTTAATAATGG	1193
Qy	990	AGAAATGCTAAATTTGGTGCTGAACCTTTTATTTTTCATGGTAAATAATTTCTAGGCAGAGAAG	1049
Db	1194	ATTATATGATATTTATGCAGATGACTTTATTACAGATACTTCTACAACCCGGTACCATC	1253
Qy	1050	TAGTAGATGCAAGAGCATGTCACAGCAATAAAGTTTAAAGCCGCTGTAGCAACTGCAGGTGG	1109
Db	1254	TGTACCCCTCATACCTTTTATCAGGTTATATTCCTGCAAAATACAACAATTCCTTTTGGTGG	1313
Qy	1110	TACTGCTACTTTAATTGCAATAATGTGCCCTTGA	1142
Db	1314	TGCATACAATATTCCTTTTATGATCAGGTCCTGA	1346

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RESULT 12
US-10-024-623-31/c
; Sequence 31, Application US/10024623
; Publication No. US20020187524A1
; GENERAL INFORMATION:
; APPLICANT: Curtis, Roly A.J.
; TITLE OF INVENTION: 8099, 46455, 54414, 53763, 67076, 67102, 44181,
; TITLE OF INVENTION: 67084FL, AND 67084 ALT, HUMAN PROTEINS AND METHODS OF
; TITLE OF INVENTION: USE THEREOF
; FILE REFERENCE: MNI-21ACP
; CURRENT APPLICATION NUMBER: US/10/024,623
; CURRENT FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: US 60/256,240
; PRIOR FILING DATE: 2000-12-15
; PRIOR APPLICATION NUMBER: US 60/256,588
; PRIOR FILING DATE: 2000-12-18
; PRIOR APPLICATION NUMBER: US 60/258,028
; PRIOR FILING DATE: 2000-12-21
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 31
; LENGTH: 25002
; TYPE: DNA
; ORGANISM: Caenorhabditis elegans
US-10-024-623-31

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Query Match	3.0%;	Score 42.6;	DB 9;	Length 25002;
Best Local Similarity	52.5%;	Prod. NO. 2.3;		
Matches 116;	Conservative 0;	Mismatches 104;	Indels 1;	Gaps 1;
QY	1	ATGCAAAATAATATTAGTAATATTGCATATTTCATTATTATTCAAATTAATCT	60	
Db	4751	ATGTACATTTCAAATATATTTTATTCATCAATCTATTATTCACATATCATATTAGAT-T	4693	
QY	61	GCTAATTCCTGTTGGACATGAACATACACAGCCGGATAAGTTGATGATCATAGGAAC	120	
Db	4692	TCCTTTTCTAATCCATATCTGATCATATAAATACACATAACATTTCTTCTTTAAACCT	4633	
QY	121	CCTGCAAAATCTGGTTAAATGTTAGAAAAACCTTTTATTATAAATGCTGCTTCCTT	180	
Db	4632	CAGGATCCTTGGTTTTTGACTATGATAGTTTGATGATATAAGTAAATCCTTTTGT	4573	
QY	181	CCTGGTGTAGTACGTGACACCTTTGTCATAAAAAAGA	221	
Db	4572	CCTCTGTTGATTTTCCAACACATTCGAATATTGATATAAA	4532	

RESULT 13

Db 597 GTTTTATTGGTCAATTTGTTTCTACTTTTATATAAGTTAATAAATGCATAT 656
Qy 638 CTGTCCGGCAATTAACCTGCTAATGTTGCTTAA 672
Db 657 TTGAAATTAAGTTACTTCAATTACAATTTGTAA 691

RESULT 15

US-09-864-761-4976/c
; Sequence 4976, Application US/09864761
; Patient No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 4976
; LENGTH: 489
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AL031076.1
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 5.1
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 5.5
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 5.8
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 6
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 5.1
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 5.2
; OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 4.1

OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 5.9
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 5.9
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 5.4
US-09-864-761-4976

Query Match 2.9%; Score 41; DB 10; Length 489;
Best Local Similarity 50.2%; Pred. No. 1;
Matches 101; Conservative 0; Mismatches 100; Indels 0; Gaps 0;

Qy 339 AGAATGCTTAATTTGTAGCAATTTATTTTATATGAAATGCTCCAAATTTTAAATGCAGG 398
Db 379 ATATGGTGATAATGGTGATGGTAATGATGCGGATGATAATGGTAATCATGCTGATGATGG 320
Qy 399 TGCTAGTACATGCACAGCTTGTCCGGTAAACACAGTTGGTGGTGCACTTGCCTGCTGTTAA 458
Db 319 TGGTGATTATGGTAGGGATGGTGATGATGATGATGATGGTGATGGTGATGGTGATGG 260
Qy 459 TGCCGCTACCATAGTCGCATAATGTAACGTCGCATCTCCTACTGCTACTGCTACTGATGA 518
Db 259 TGGTGTAGTAATCACGGTGATGGTAATGACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 200
Qy 519 TGGAGTAACCTACTGATTATGT 539
Db 199 TGATGATGGTAATGATAGTAT 179

Search completed: February 17, 2003, 01:59:09
Job time : 209.08 secs

